

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	559	(560/157).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/21 16:08
L2	760	(564/17,47,48).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/21 16:08

82 10|538,484

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 17:16:07 ON 21 MAY 2007

=> d

ENTER NAME OF ITEM TO BE DISPLAYED OR (?) :file reg
'FILE' IS NOT VALID HERE

For an explanation, enter "HELP DISPLAY".

=> file reg

COST IN U.S. DOLLARS

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
| 0.21 | 0.21 |

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 17:16:33 ON 21 MAY 2007
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STRUCTURE FILE UPDATES: 20 MAY 2007 HIGHEST RN 935426-16-7
DICTIONARY FILE UPDATES: 20 MAY 2007 HIGHEST RN 935426-16-7

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

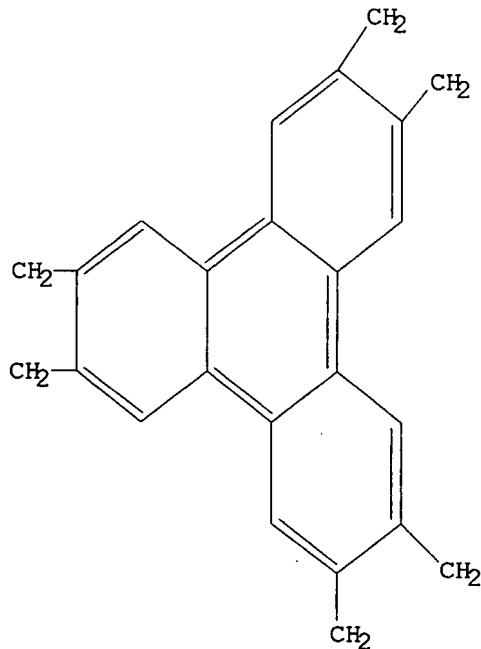
Uploading C:\Program Files\Stnexp\Queries\3280.str

L1 STRUCTURE uploaded

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s 11
SAMPLE SEARCH INITIATED 17:16:52 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1676 TO ITERATE

100.0% PROCESSED 1676 ITERATIONS          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH **COMPLETE**
PROJECTED ITERATIONS: 31065 TO 35975
PROJECTED ANSWERS:      0 TO 0
```

L2 0 SEA SSS SAM L1

```
=> s 11 ful
FULL SEARCH INITIATED 17:16:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 34106 TO ITERATE

100.0% PROCESSED 34106 ITERATIONS          11 ANSWERS
SEARCH TIME: 00.00.01
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L3 11 SEA SSS FUL L1

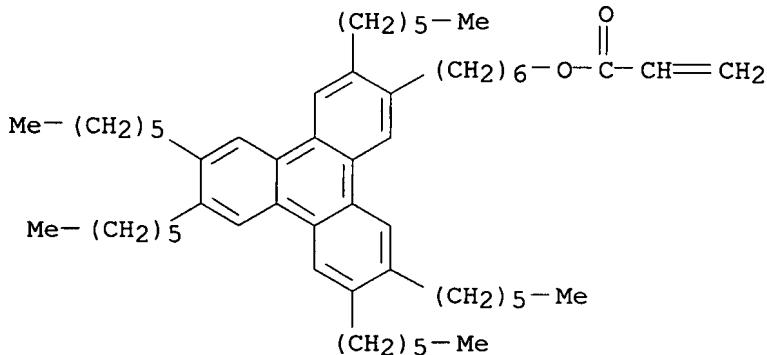
=> d 13 1-11

```
L3  ANSWER 1 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN  868248-16-2 REGISTRY
ED  Entered STN: 17 Nov 2005
CN  2-Propenoic acid, 6-(3,6,7,10,11-pentahexyl-2-triphenylenyl)hexyl ester,
    homopolymer (9CI) (CA INDEX NAME)
MF  (C57 H86 O2)x
CI  PMS
PCT Polyacrylic
```

SR CA
LC STN Files: CA, CAPLUS

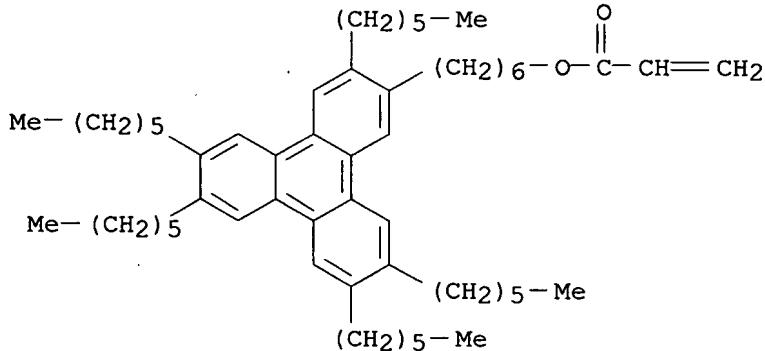
CM 1

CRN 868248-15-1
CMF C57 H86 O2



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

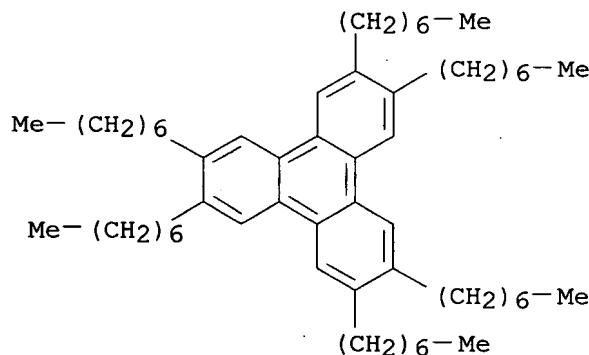
L3 ANSWER 2 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 868248-15-1 REGISTRY
ED Entered STN: 17 Nov 2005
CN 2-Propenoic acid, 6-(3,6,7,10,11-pentahexyl-2-triphenylenyl)hexyl ester
(9CI) (CA INDEX NAME)
MF C57 H86 O2
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 ANSWER 3 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 638199-35-6 REGISTRY
ED Entered STN: 16 Jan 2004
CN Triphenylene, 2,3,6,7,10,11-hexaheptyl- (9CI) (CA INDEX NAME)
MF C60 H96
SR CA

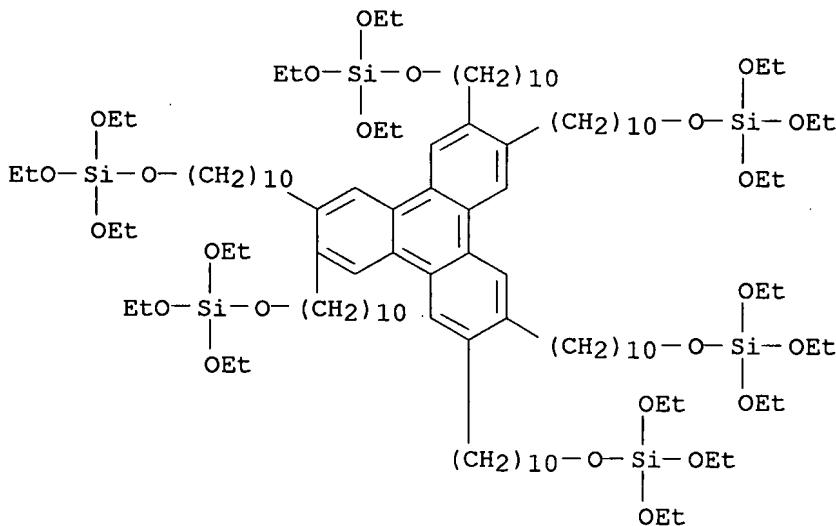
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

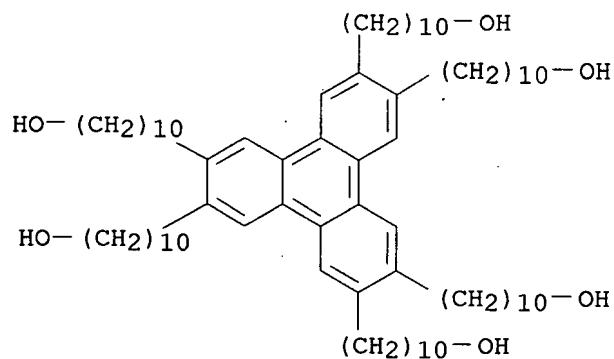
L3 ANSWER 4 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 594847-71-9 REGISTRY
ED Entered STN: 29 Sep 2003
CN Silicic acid (H₄SiO₄), 2,3,6,7,10,11-triphenylenehexaylhexa-10,1-decanediyl octadecaethyl ester (9CI) (CA INDEX NAME)
MF C114 H216 O₂₄ Si₆
SR CA
LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 594847-70-8 REGISTRY
ED Entered STN: 29 Sep 2003
CN 2,3,6,7,10,11-Triphenylenehexakis(decanol) (9CI) (CA INDEX NAME)
MF C₇₈ H₁₃₂ O₆
SR CA

LC STN Files: CA, CAPLUS

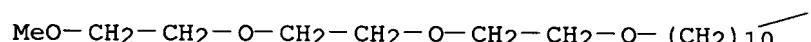
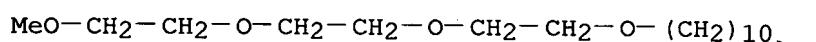


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

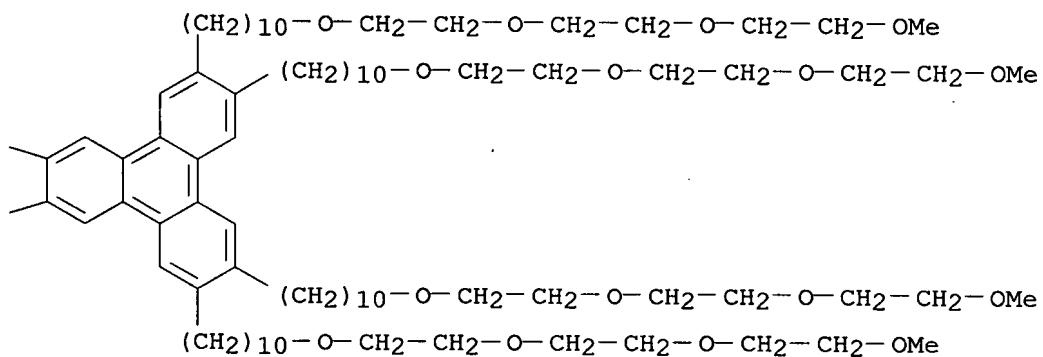
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 594847-69-5 REGISTRY
ED Entered STN: 29 Sep 2003
CN 2,5,8,11-Tetraoxaeicosane, 21,21',21'',21'''-2,3,6,7,10,11-triphenylenehexylhexakis- (9CI) (CA INDEX NAME)
MF C120 H216 O24
SR CA
LC STN Files: CA, CAPLUS

PAGE 1-A



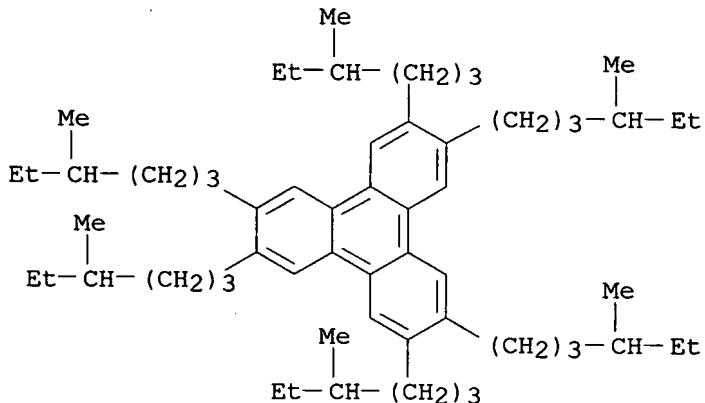
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

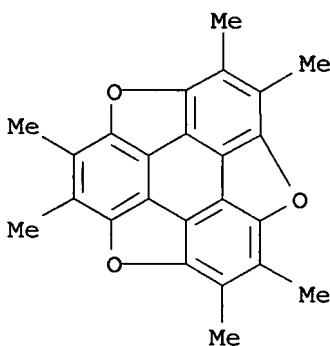
L3 ANSWER 7 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 264598-08-5 REGISTRY
ED Entered STN: 12 May 2000
CN Triphenylene, 2,3,6,7,10,11-hexakis(4-methylhexyl)- (9CI) (CA INDEX NAME)
MF C60 H96
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

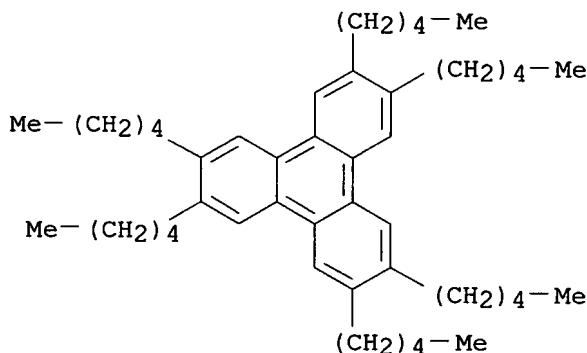
L3 ANSWER 8 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 260353-04-6 REGISTRY
ED Entered STN: 29 Mar 2000
CN Triphenylene[1,12-bcd:4,5-b'c'd':8,9-b''c''d'']trifuran,
2,3,5,6,8,9-hexamethyl- (9CI) (CA INDEX NAME)
MF C24 H18 O3
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

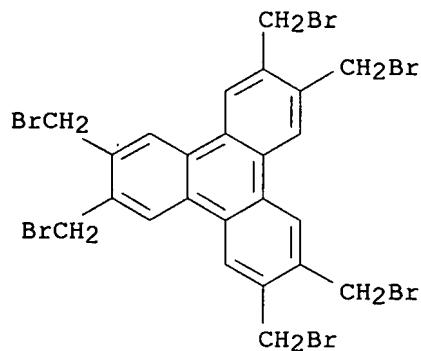
L3 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 200884-34-0 REGISTRY
ED Entered STN: 05 Feb 1998
CN Triphenylene, 2,3,6,7,10,11-hexapentyl- (9CI) (CA INDEX NAME)
MF C48 H72
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

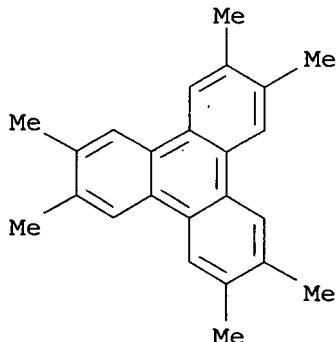
L3 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 174782-69-5 REGISTRY
ED Entered STN: 04 Apr 1996
CN Triphenylene, 2,3,6,7,10,11-hexakis(bromomethyl)- (9CI) (CA INDEX NAME)
MF C24 H18 Br6
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2007 ACS on STN
RN 26146-81-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN Triphenylene, 2,3,6,7,10,11-hexamethyl- (CA INDEX NAME)
MF C24 H24
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 194.00 | 194.21 |

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 17:17:51 ON 21 MAY 2007
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FILE LAST UPDATED: 20 May 2007 (20070520/ED)

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=> s 13

L4 13 L3

=> d 14 1-13

L4 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:1296220 CAPLUS
DN 146:229025
TI Highly efficient route to fused polycyclic aromatics via palladium-catalyzed aryne annulation by aryl halides
AU Liu, Zhijian; Larock, Richard C.
CS Department of Chemistry, Iowa State University, Ames, IA, 50011, USA
SO Journal of Organic Chemistry (2007), 72(1), 223-232
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 146:229025
RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1153545 CAPLUS
DN 143:429801
TI Organic electroluminescent device, electronic apparatus, and their production method
IN Obikawa, Takeshi
PA Seiko Epson Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 21 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------|------|----------|-----------------|----------|
| PI JP 2005302641 | A | 20051027 | JP 2004-120325 | 20040415 |
| PRAI JP 2004-120325 | | 20040415 | | |

L4 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1146686 CAPLUS
DN 144:36185
TI Synthesis of Fused Polycyclic Aromatics by Palladium-Catalyzed Annulation of Arynes Using 2-Halobiaryl
AU Liu, Zhijian; Zhang, Xiaoxia; Larock, Richard C.
CS Department of Chemistry, Iowa State University, Ames, IA, 50011, USA
SO Journal of the American Chemical Society (2005), 127(45), 15716-15717
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English
OS CASREACT 144:36185
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:713565 CAPLUS
DN 141:190482
TI Analysis of quasielastic neutron scattering (QENS) data of discotic systems using different molecular dynamics (MD) models
AU Kruglova, O.; Mulder, F. M.; Picken, S. J.; Stride, J.; Kearley, G. J.
CS Interfaculty Reactor Institute, Delft University of Technology, Delft, 2629 JB, Neth.
SO Physica B: Condensed Matter (Amsterdam, Netherlands) (2004), 350(1-3, Suppl. 1), e1003-e1005

CODEN: PHYBE3; ISSN: 0921-4526
URL: <http://www.sciencedirect.com/science/journal/09214526>

PB Elsevier
DT Journal
LA English

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:732228 CAPLUS
DN 140:68088
TI Mixed alkyl-alkoxy triphenylenes
AU Cammidge, Andrew N.; Gopee, Hemant
CS Wolfson Materials and Catalysis Centre, School of Chemical Sciences and Pharmacy, University of East Anglia, Norwich, NR4 7TJ, UK
SO Molecular Crystals and Liquid Crystals (2003), 397, 417-428
CODEN: MCLCD8; ISSN: 1542-1406
PB Taylor & Francis, Inc.
DT Journal
LA English
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:706942 CAPLUS
DN 139:232541
TI Silica-containing organic-inorganic composite structure, porous silica, and their manufacture by using liquid crystal
IN Okabe, Akihiro; Fukushima, Takanori; Ariga, Katsuhiko; Aida, Takuzo
PA Japan Science and Technology Corporation, Japan
SO Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DT Patent
LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|----------|
| PI | JP 2003252818 | A | 20030910 | JP 2002-55188 | 20020301 |
| PRAI | JP 2002-55188 | | 20020301 | | |
| OS | MARPAT 139:232541 | | | | |

L4 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2000:254630 CAPLUS
DN 132:300894
TI Discotic liquid crystal device and method for alignment thereof
IN Kamibe, Junichiro; Moriyama, Takashi; Nakamura, Shinichi; Togano, Takeshi; Takiguchi, Takao
PA Canon Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DT Patent

LA Japanese
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | JP 2000111860 | A | 20000421 | JP 1998-296235 | 19981005 |
| | JP 3524404 | B2 | 20040510 | | |
| | US 6159562 | A | 20001212 | US 1999-412434 | 19991005 |
| PRAI | JP 1998-296235 | A | 19981005 | | |

L4 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2000:166268 CAPLUS

DN 132:214635
TI Organic electroluminescent material and the organic electroluminescent device using it
IN Tamano, Michiko
PA Toyo Ink Mfg. Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|----------|
| PI | JP 2000077186 | A | 20000314 | JP 1998-246138 | 19980831 |
| | JP 3899698 | B2 | 20070328 | | |
| PRAI | JP 1998-246138 | | 19980831 | | |
| OS | MARPAT 132:214635 | | | | |

L4 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1999:231889 CAPLUS

DN 130:289066

TI Organic electroluminescent device containing charge-transporting layer with improved charge mobility
IN Nagae, Isamu; Fujimoto, Takamitsu; Hizuka, Yuji
PA Mitsubishi Electric Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | JP 11097176 | A | 19990409 | JP 1997-253484 | 19970918 |
| PRAI | JP 1997-253484 | | 19970918 | | |

L4 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1998:10729 CAPLUS

DN 128:91052

TI Secondary nonaqueous electrolyte batteries
IN Negi, Masayuki; Okazaki, Masaki
PA Fuji Photo Film Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 27 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|-----------------|----------|
| PI | JP 09330739 | A | 19971222 | JP 1997-49629 | 19970219 |
| PRAI | JP 1996-86605 | A | 19960409 | | |
| OS | MARPAT 128:91052 | | | | |

L4 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1996:69878 CAPLUS

DN 124:232418

TI Reversible encapsulation of disk-shaped guests by a synthetic, self-assembled host

AU Grotzfeld, Robert M.; Branda, Neil; Rebek, Julius, Jr.

CS Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA

SO Science (Washington, D. C.) (1996), 271(5248), 487-9

CODEN: SCIEAS; ISSN: 0036-8075

PB American Association for the Advancement of Science

DT Journal

LA English

L4 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1979:213471 CAPLUS

DN 90:213471

TI Hexasubstituted triphenylenes: a new mesomorphic order

AU Destrade, C.; Mondon, M. C.; Malthete, J.

CS Cent. Rech. Paul-Pascal, Talence, Fr.

SO Journal de Physique, Colloque (1979), (3), 17-21

CODEN: JPQCAK; ISSN: 0449-1947

DT Journal

LA English

L4 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1970:48659 CAPLUS

DN 72:48659

TI Preliminary crystallographic data for methyl-substituted triphenylenes

AU Yerkess, J.; Jones, Derry Wynn; Denne, W. A.

CS Sch. Chem., Univ. Bradford, Bradford, UK

SO Acta Crystallographica, Section B: Structural Crystallography and Crystal Chemistry (1969), 25(Pt. 12), 2649-50

CODEN: ACBCAR; ISSN: 0567-7408

DT Journal

LA English

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STRUCTURE FILE UPDATES: 20 MAY 2007 HIGHEST RN 935426-16-7
DICTIONARY FILE UPDATES: 20 MAY 2007 HIGHEST RN 935426-16-7

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\32800.str

L5 STRUCTURE uploaded

=> d
L5 HAS NO ANSWERS
L5 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 15
SAMPLE SEARCH INITIATED 17:23:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 28 TO ITERATE

100.0% PROCESSED 28 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

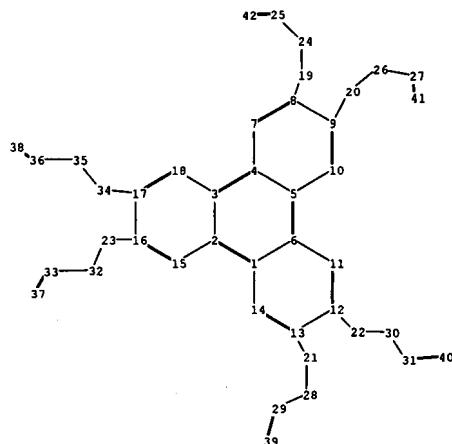
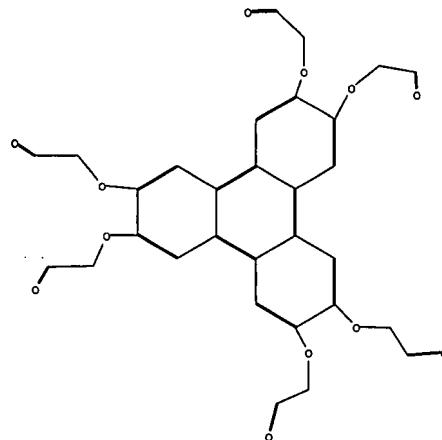
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 243 TO 877
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> s 15 ful
FULL SEARCH INITIATED 17:23:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 502 TO ITERATE

100.0% PROCESSED 502 ITERATIONS 19 ANSWERS
SEARCH TIME: 00.00.01

L7 19 SEA SSS FUL L5



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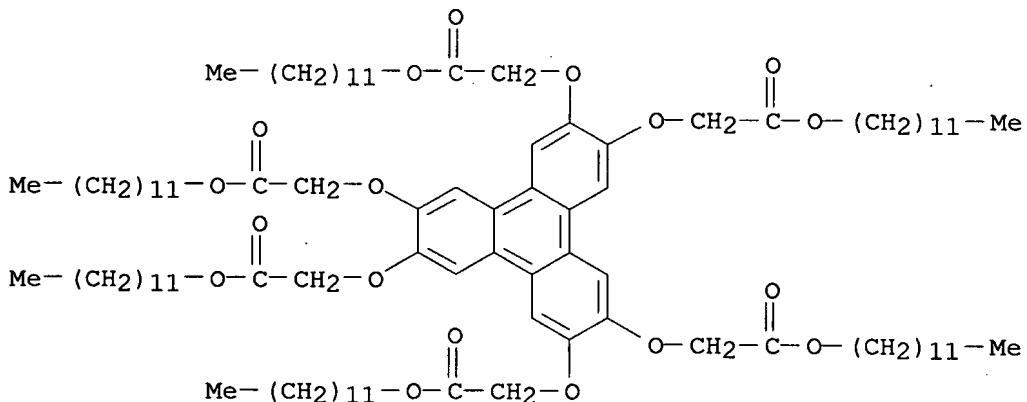
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 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
 41 42
ring nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
chain bonds :
 8-19 9-20 12-22 13-21 16-23 17-34 19-24 20-26 21-28 22-30 23-32 24-25 25-42
 26-27 27-41 28-29 29-39 30-31 31-40 32-33 33-37 34-35 35-36 36-38
ring bonds :
 1-2 1-6 1-14 2-3 2-15 3-4 3-18 4-5 4-7 5-6 5-10 6-11 7-8 8-9 9-10 11-12
 12-13 13-14 15-16 16-17 17-18
exact/norm bonds :
 8-19 9-20 12-22 13-21 16-23 17-34 19-24 20-26 21-28 22-30 23-32 25-42 27-41
 29-39 31-40 33-37 34-35 36-38
exact bonds :
 24-25 26-27 28-29 30-31 32-33 35-36
normalized bonds :
 1-2 1-6 1-14 2-3 2-15 3-4 3-18 4-5 4-7 5-6 5-10 6-11 7-8 8-9 9-10 11-12
 12-13 13-14 15-16 16-17 17-18

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS
 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
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 39:CLASS 40:CLASS 41:CLASS 42:CLASS

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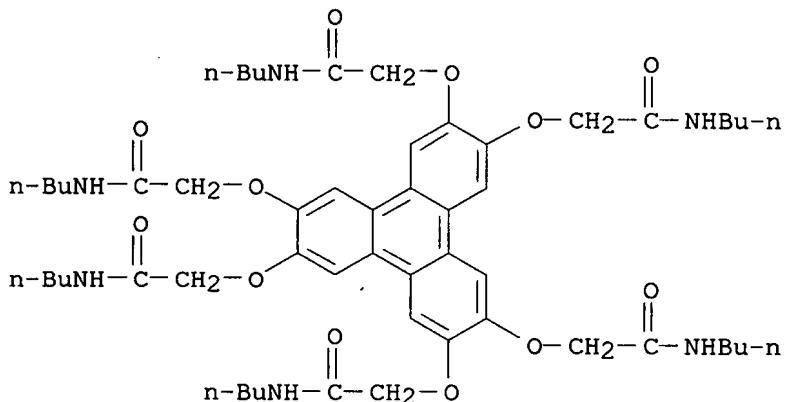
L7 ANSWER 1 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 721396-35-6 REGISTRY
ED Entered STN: 03 Aug 2004
CN Acetic acid, 2,2',2'',2''',2'''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis-, hexadodecyl ester (9CI) (CA INDEX NAME)
MF C102 H168 O18
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



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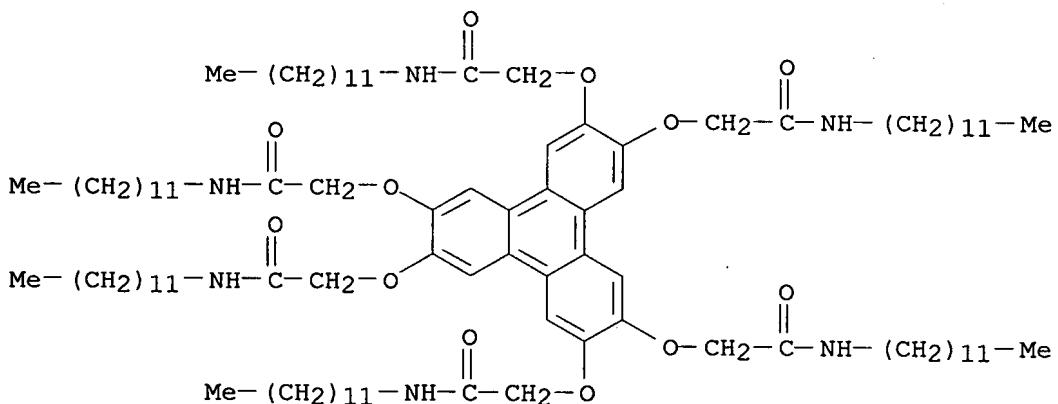
L7 ANSWER 2 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 614733-38-9 REGISTRY
ED Entered STN: 10 Nov 2003
CN Acetamide, 2,2',2'',2''',2'''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis[N-butyl- (9CI) (CA INDEX NAME)
MF C54 H78 N6 O12
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 3 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 614733-37-8 REGISTRY
ED Entered STN: 10 Nov 2003
CN Acetamide, 2,2',2'',2''',2'''',2''''-[2,3,6,7,10,11-triphenylenehexaylhexakis(oxy)]hexakis[N-dodecyl- (9CI) (CA INDEX NAME)
MF C102 H174 N6 O12
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

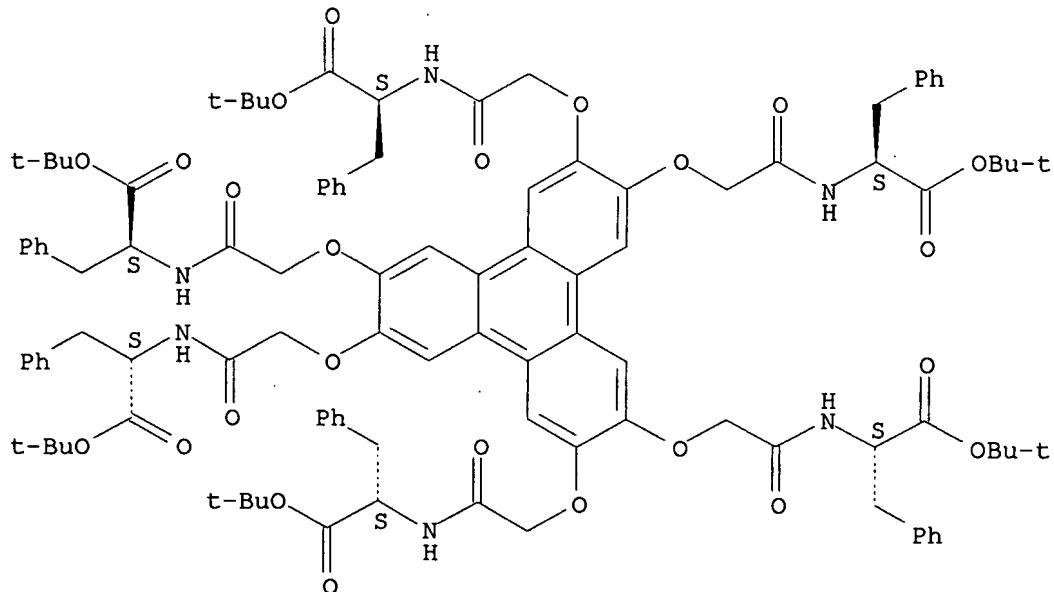


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2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 4 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 200814-89-7 REGISTRY
ED Entered STN: 05 Feb 1998
CN L-Phenylalanine, N,N',N'',N''',N'''',N''''-[2,3,6,7,10,11-triphenylenehexaylhexakis[oxy(1-oxo-2,1-ethanediyl)]hexakis-, hexakis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C108 H126 N6 O24
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

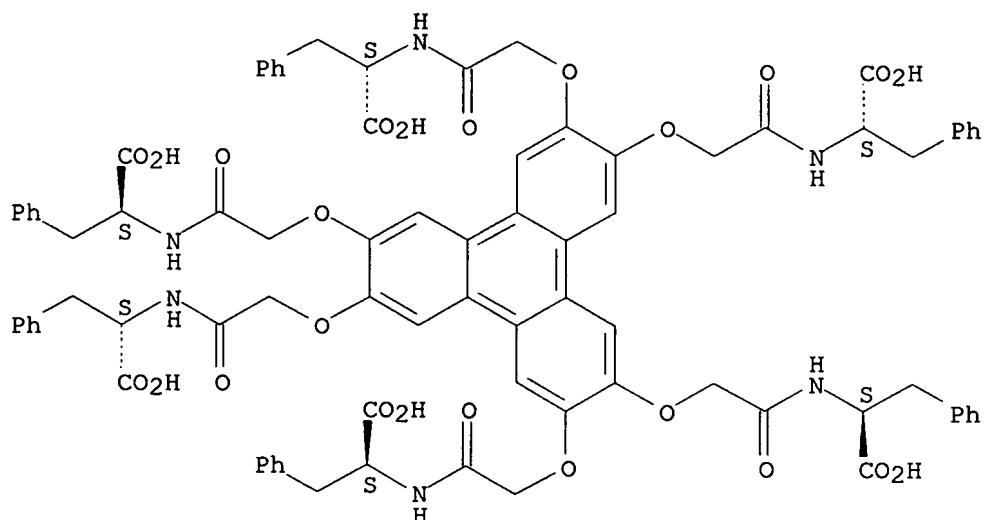


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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 5 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 200814-88-6 REGISTRY
 ED Entered STN: 05 Feb 1998
 CN L-Phenylalanine, N,N',N'',N''',N'''',N'''''-[2,3,6,7,10,11-triphenylenehexakylhexakis[oxy(1-oxo-2,1-ethanediyl)]hexakis- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C84 H78 N6 O24
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

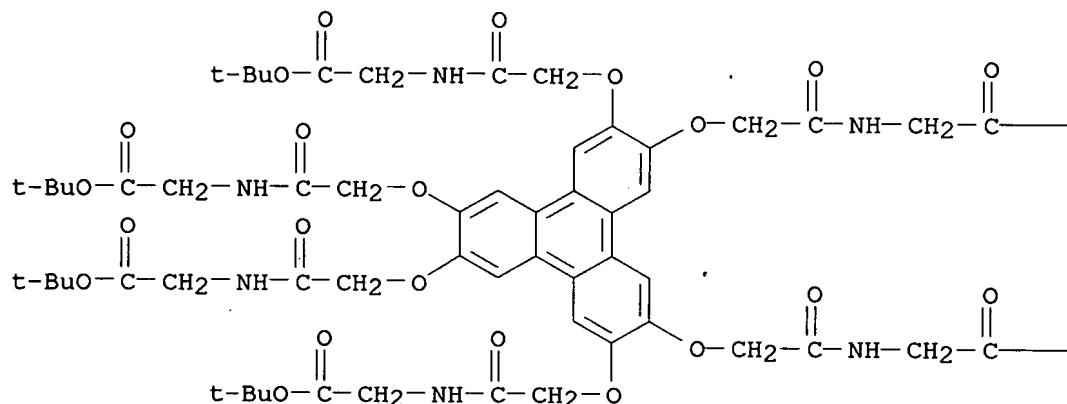


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 6 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 200814-87-5 REGISTRY
ED Entered STN: 05 Feb 1998
CN Glycine, N,N',N'',N''',N''''-[2,3,6,7,10,11-triphenylenehexylhexakis[oxy(1-oxo-2,1-ethanediyl)]hexakis-, hexakis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)
MF C66 H90 N6 O24
SR CA
LC STN Files: CA, CAPLUS, CASREACT

PAGE 1-A



PAGE 1-B

—OBu-t

—OBu-t

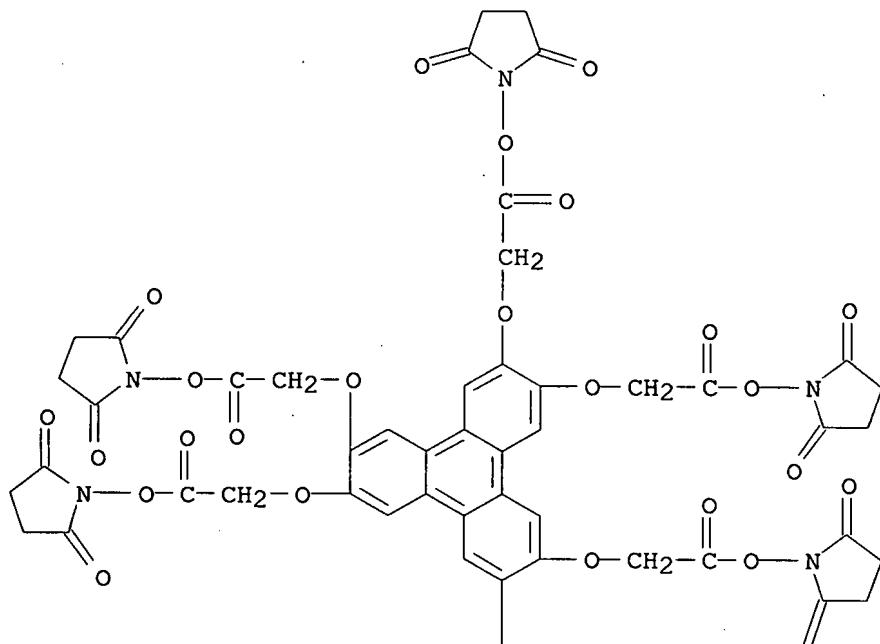
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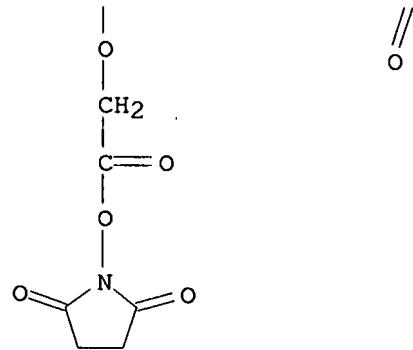
L7 ANSWER 7 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 200814-86-4 REGISTRY

ED Entered STN: 05 Feb 1998
CN 2,5-Pyrrolidinedione, 1,1',1'',1''',1'''',1'''''-[2,3,6,7,10,11-triphenylenehexylhexakis[oxy(1-oxo-2,1-ethanediyl)oxy]]hexakis- (9CI)
 (CA INDEX NAME)
MF C54 H42 N6 O30
SR CA
LC STN Files: CA, CAPLUS, CASREACT

PAGE 1-A



PAGE 2-A

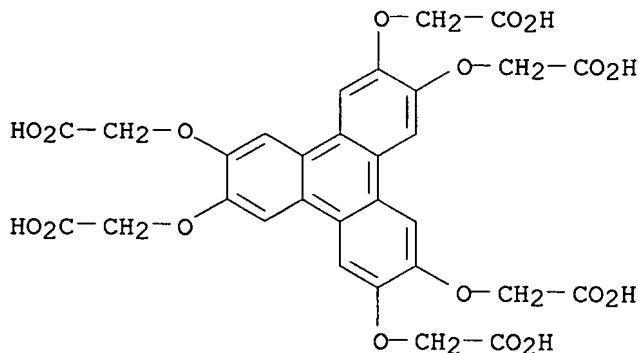


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 8 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 200814-85-3 REGISTRY
ED Entered STN: 05 Feb 1998

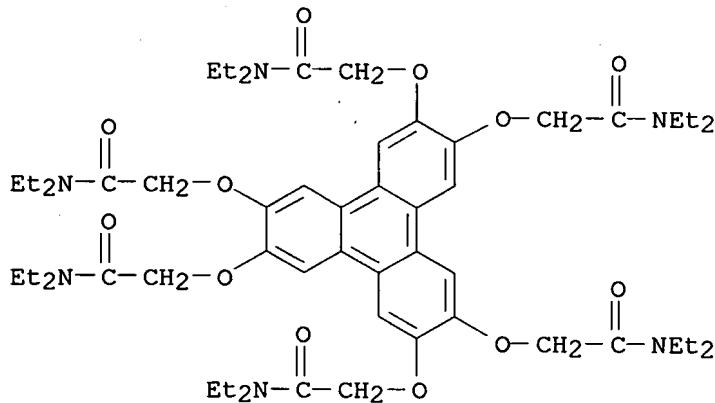
CN Acetic acid, 2,2',2'',2''',2'''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis- (9CI) (CA INDEX NAME)
 MF C30 H24 O18
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 9 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 200814-82-0 REGISTRY
 ED Entered STN: 05 Feb 1998
 CN Acetamide, 2,2',2'',2''',2'''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis[N,N-diethyl- (9CI) (CA INDEX NAME)
 MF C54 H78 N6 O12
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

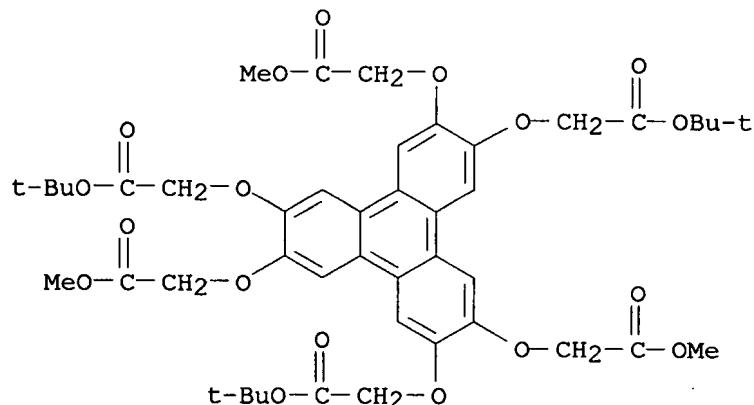


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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 10 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 198556-17-1 REGISTRY
 ED Entered STN: 12 Dec 1997

CN Acetic acid, 2,2',2''-[[3,7,11-tris[2-(1,1-dimethylethoxy)-2-oxoethoxy]-
 2,6,10-triphenylenetriyl]tris(oxy)]tris-, trimethyl ester (9CI) (CA INDEX
 NAME)
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 LC STN Files: CA, CAPLUS, CASREACT

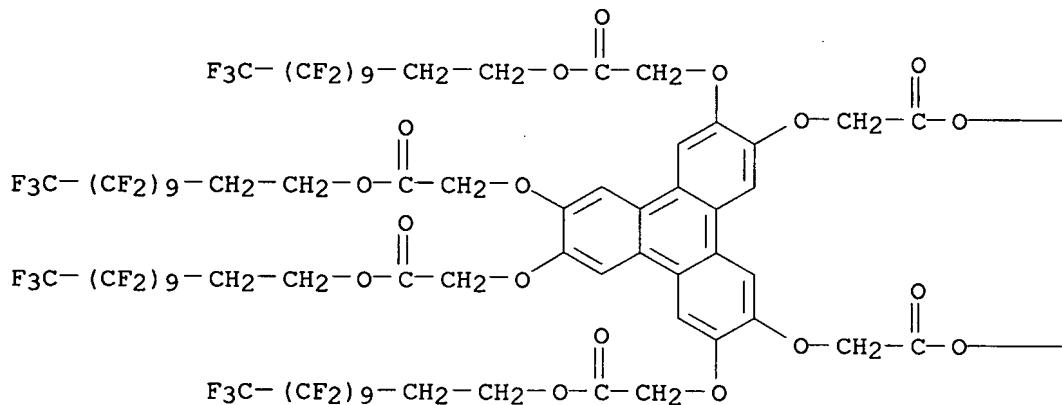


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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 11 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 172990-53-3 REGISTRY
 ED Entered STN: 07 Feb 1996
 CN Acetic acid, 2,2',2'',2''',2''',2''''-[2,3,6,7,10,11-
 triphenylenehexakylhexakis(oxy)]hexakis-, hexakis(3,3,4,4,5,5,6,6,7,7,8,8,9
 ,9,10,10,11,11,12,12,12-heneicosfluorododecyl) ester (9CI) (CA INDEX
 NAME)
 MF C102 H42 F126 O18
 SR CA
 LC STN Files: CA, CAPLUS

PAGE 1-A



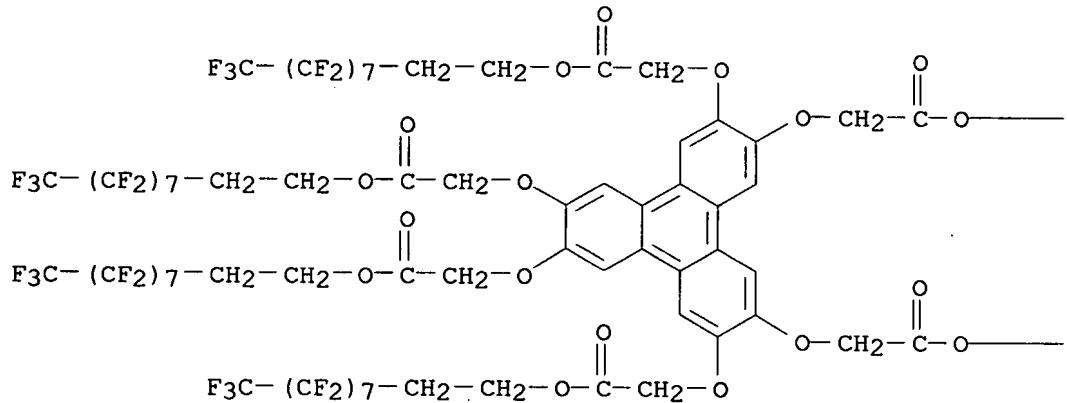
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— CH₂— CH₂— (CF₂)₉— CF₃

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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 12 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 172990-52-2 REGISTRY
 ED Entered STN: 07 Feb 1996
 CN Acetic acid, 2,2',2'',2''',2'''',2''''-[2,3,6,7,10,11-
 triphenylenehexaylhexakis(oxy)]hexakis-, hexakis(3,3,4,4,5,5,6,6,7,7,8,8,9
 ,9,10,10,10-heptadecafluorodecyl) ester (9CI) (CA INDEX NAME)
 MF C90 H42 F102 O18
 SR CA
 LC STN Files: CA, CAPLUS



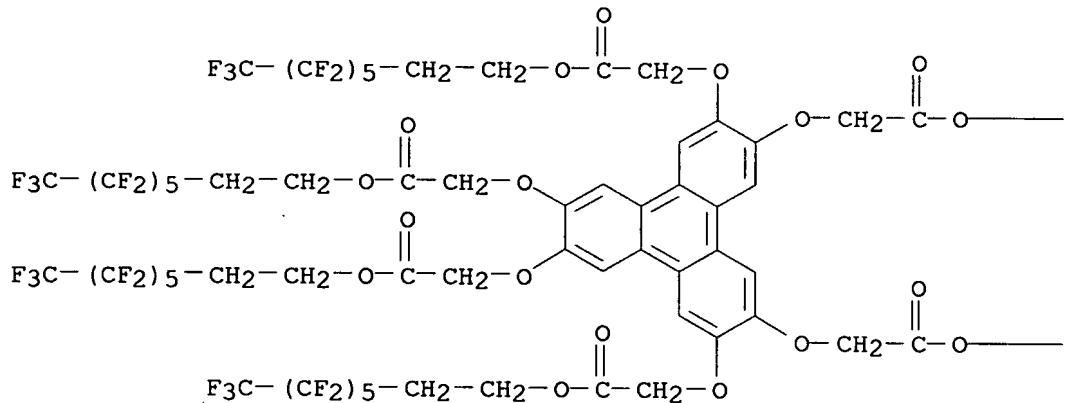
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— CH₂— CH₂— (CF₂)₇— CF₃

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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 13 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 172990-51-1 REGISTRY
 ED Entered STN: 07 Feb 1996
 CN Acetic acid, 2,2',2'',2''',2'''',2''''-[2,3,6,7,10,11-
 triphenylenehexaylhexakis(oxy)]hexakis-, hexakis(3,3,4,4,5,5,6,6,7,7,8,8-
 tridecafluoroctyl) ester (9CI) (CA INDEX NAME)
 MF C78 H42 F78 O18
 SR CA
 LC STN Files: CA, CAPLUS



— CH₂— CH₂— (CF₂)₅— CF₃

— CH₂— CH₂— (CF₂)₅— CF₃

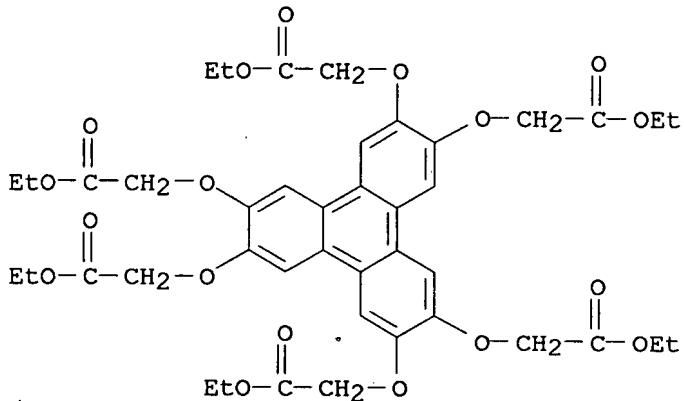
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 14 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 132123-36-5 REGISTRY
 ED Entered STN: 15 Feb 1991
 CN Acetic acid, 2,2',2'',2''',2'''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis-, hexaethyl ester, compd. with 2,4,7-trinitro-9H-fluoren-9-one (1:1) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 9H-Fluoren-9-one, 2,4,7-trinitro-, compd. with hexaethyl 2,2',2'',2''',2'''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis[acetate] (1:1) (9CI)
 CN Triphenylene, acetic acid deriv.
 MF C42 H48 O18 . C13 H5 N3 O7
 SR CA
 LC STN Files: CA, CAPLUS

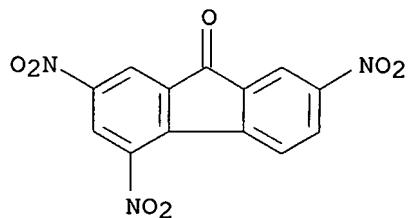
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CRN 130817-90-2
 CMF C42 H48 O18



CM 2

CRN 129-79-3
CMF C13 H5 N3 O7

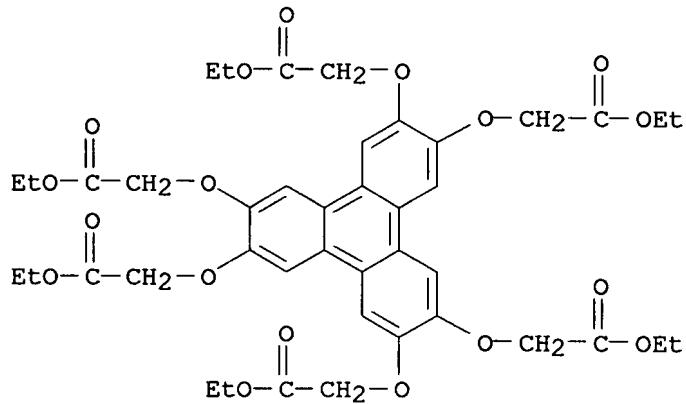


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 15 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
RN 132123-35-4 REGISTRY
ED Entered STN: 15 Feb 1991
CN Acetic acid, 2,2',2'',2''',2'''',2''''-[2,3,6,7,10,11-triphenylenehexaylhexakis(oxy)]hexakis-, hexaethyl ester, compd. with 2,4,7-trinitro-9H-fluoren-9-one (2:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 9H-Fluoren-9-one, 2,4,7-trinitro-, compd. with hexaethyl 2,2',2'',2''',2'''',2''''-[2,3,6,7,10,11-triphenylenehexaylhexakis(oxy)]hexakis[acetate] (1:2) (9CI)
CN Triphenylene, acetic acid deriv.
MF C42 H48 O18 . 1/2 C13 H5 N3 O7
SR CA
LC STN Files: CA, CAPLUS

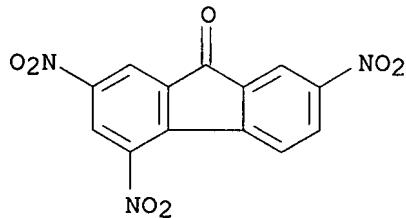
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CMF C13 H5 N3 O7

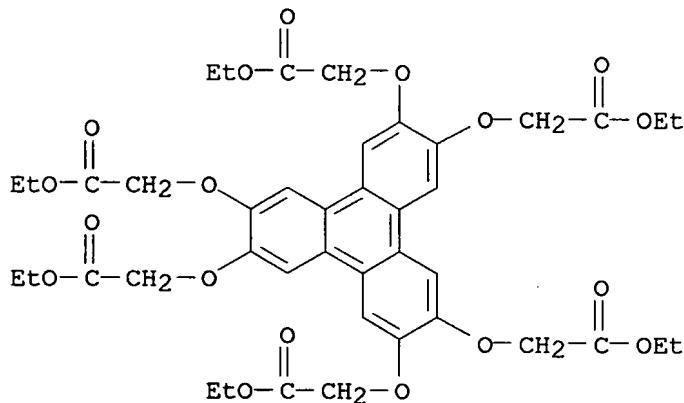


1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 16 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 132123-34-3 REGISTRY
 ED Entered STN: 15 Feb 1991
 CN Acetic acid, 2,2',2'',2''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis-, hexaethyl ester, compd. with 2,4,7-trinitro-9H-fluoren-9-one (3:1). (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 9H-Fluoren-9-one, 2,4,7-trinitro-, compd. with hexaethyl 2,2',2'',2''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis[acetate] (1:3) (9CI)
 CN Triphenylene, acetic acid deriv.
 MF C42 H48 O18 . 1/3 C13 H5 N3 O7
 SR CA
 LC STN Files: CA, CAPLUS

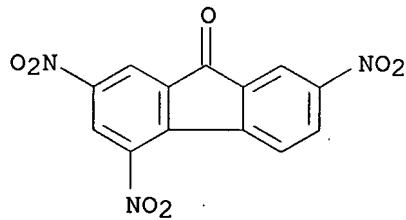
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 CMF C42 H48 O18



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CRN 129-79-3
 CMF C13 H5 N3 O7

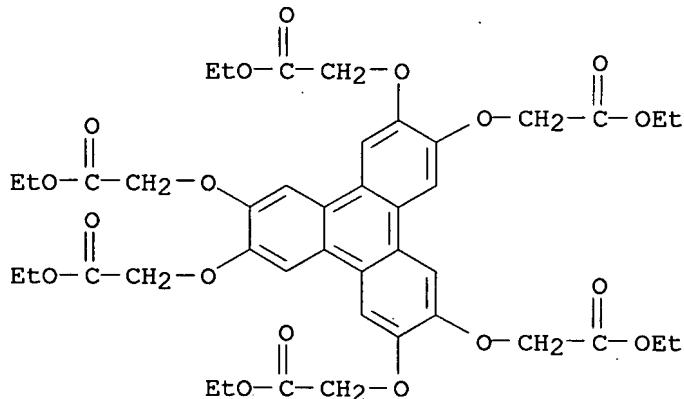


1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 17 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 132123-33-2 REGISTRY
 ED Entered STN: 15 Feb 1991
 CN Acetic acid, 2,2',2'',2''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis-, hexaethyl ester, compd. with 2,4,7-trinitro-9H-fluoren-9-one (5:1) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 9H-Fluoren-9-one, 2,4,7-trinitro-, compd. with hexaethyl 2,2',2'',2''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis[acetate] (1:5) (9CI)
 CN Triphenylene, acetic acid deriv.
 MF C42 H48 O18 . 1/5 C13 H5 N3 O7
 SR CA
 LC STN Files: CA, CAPLUS

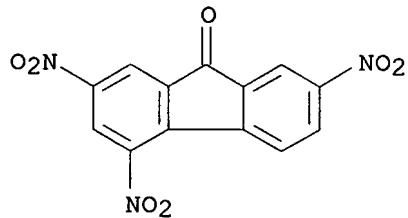
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CRN 130817-90-2
 CMF C42 H48 O18



CM 2

CRN 129-79-3
 CMF C13 H5 N3 O7



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 18 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN

RN 132123-32-1 REGISTRY

ED Entered STN: 15 Feb 1991

CN Acetic acid, 2,2',2'',2''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis-, hexaethyl ester, compd. with 2,4,7-trinitro-9H-fluoren-9-one (10:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 9H-Fluoren-9-one, 2,4,7-trinitro-, compd. with hexaethyl 2,2',2'',2''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis[acetate] (1:10) (9CI)

CN Triphenylene, acetic acid deriv.

MF C42 H48 O18 . 1/10 C13 H5 N3 O7

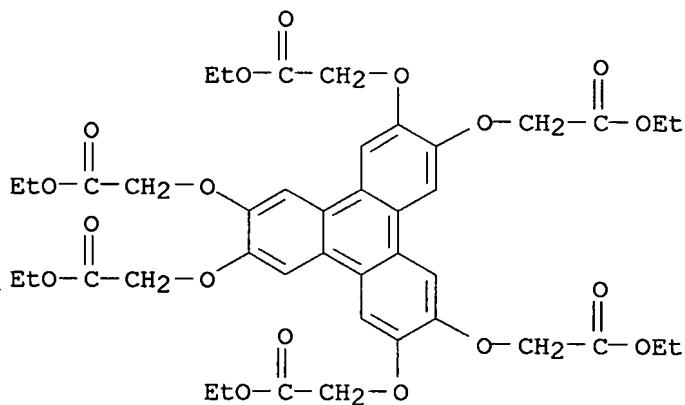
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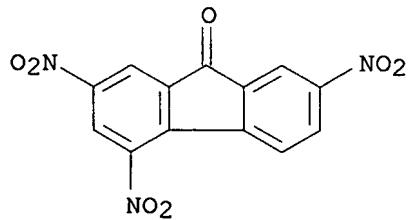
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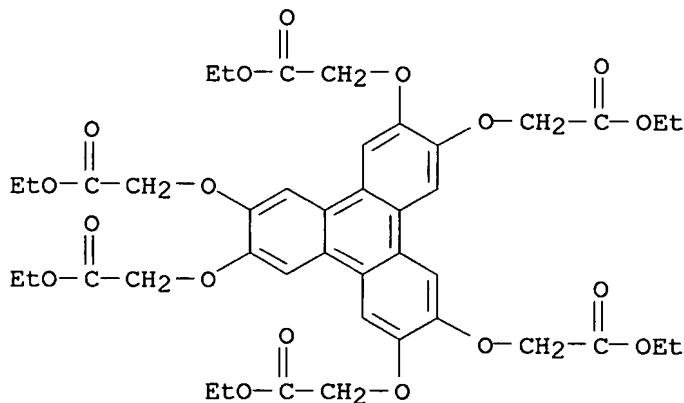
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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 19 OF 19 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 130817-90-2 REGISTRY
 ED Entered STN: 07 Dec 1990
 CN Acetic acid, 2,2',2'',2''',2''''-[2,3,6,7,10,11-triphenylenehexylhexakis(oxy)]hexakis-, hexaethyl ester (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Triphenylene, acetic acid deriv.
 MF C42 H48 O18
 CI COM
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8 REFERENCES IN FILE CA (1907 TO DATE)
 8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 209.60 | 422.91 |

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FILE LAST UPDATED: 20 May 2007 (20070520/ED)

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=> s 17
L8 12 L7

=> d 18 1-12

L8 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:565189. CAPLUS
DN 141:106275
TI Preparation of fused aromatic compounds having charge transport properties
IN Takeuchi, Masayuki; Ikeda, Masato; Shinkai, Seiji
PA Kyushu Tlo Company, Limited, Japan
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2

DT Patent
LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004058684 | A1 | 20040715 | WO 2003-JP15826 | 20031211 |
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LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
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| | US 2006111587 | A1 | 20060525 | US 2005-538484 | 20050608 |
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| | WO 2003-JP15826 | W | 20031211 | | |
| OS | MARPAT 141:106275 | | | | |

L8 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:415872 CAPLUS
DN 139:329698
TI Unusual emission properties of a triphenylene-based organogel system
AU Ikeda, Masato; Takeuchi, Masayuki; Shinkai, Seiji
CS Department of Chemistry and Biochemistry, Graduate School of Engineering,
Kyushu University, Fukuoka, 812-8581, Japan
SO Chemical Communications (Cambridge, United Kingdom) (2003), (12),
1354-1355
CODEN: CHCOFS; ISSN: 1359-7345

PB Royal Society of Chemistry

DT Journal

LA English

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L8 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1997:754865 CAPLUS

DN 128:88655

TI Purification of 2,3,6,7,10,11-hexamethoxytriphenylene and preparation of hexakis carbonylmethyl and hexakis cyanomethyl derivatives of 2,3,6,7,10,11-hexahydroxytriphenylene

AU Krebs, Frederik C.; Schioedt, Niels C.; Batsberg, Walther; Bechgaard, Klaus

CS Macromolecular Chemistry Group, Risoe National Laboratory, Condensed Matter Physics Chemistry Department, Roskilde, DK-4000, Den.

SO Synthesis (1997), (11), 1285-1290

CODEN: SYNTBF; ISSN: 0039-7881

PB Georg Thieme Verlag

DT Journal

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OS CASREACT 128:88655

L8 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1997:667060 CAPLUS

DN 127:358700

TI A modified procedure for the synthesis of C3-symmetric "mixed-tail" triphenylenes

AU Wright, Paul T.; Gillies, Iain; Kilburn, Jeremy D.

CS Department Chemistry, University Southampton, Southampton, SO17 1BJ, UK

SO Synthesis (1997), (9), 1007-1009

CODEN: SYNTBF; ISSN: 0039-7881

PB Thieme

DT Journal

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OS CASREACT 127:358700

L8 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1995:991736 CAPLUS

DN 124:132065

TI Fluoroalkylated discotic liquid crystals

AU Dahn, U.; Erdelen, C.; Ringsdorf, H.; Festag, R.; Wendorff, J. H.; Heiney, P. A.; Maliszewskyj, N. C.

CS Inst. Org. Chem., Johannes Gutenberg-Univ., Mainz, 55099, Germany

SO Liquid Crystals (1995), 19(6), 759-64

CODEN: LICR6; ISSN: 0267-8292

PB Taylor & Francis

DT Journal

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L8 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1995:447799 CAPLUS

DN 122:201947

TI Structure and properties of disk shaped organic molecules in the crystalline and liquid crystalline phase using electron diffraction and high resolution imaging

AU Voigt-Martin, Ingrid G.; Schumacher, Martina; Garbella, Ruediger W.

CS Inst. f. Physikalische Chemie, Universitat Mainz, Mainz, D-6500, Germany

SO Transactions of the American Crystallographic Association (1994), Volume Date 1992, 28(Proceedings of the Symposium on Electron Crystallography, 1992), 39-56

CODEN: TACAAH; ISSN: 0065-8006

DT Journal
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L8 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1995:272688 CAPLUS
 DN 122:175179
 TI Structure and defects in liquid crystals from electron diffraction and high resolution imaging
 AU Voigt-Martin, I. G.; Schumacher, M.; Honig, M.; Simon, P.; Garbella, R. W.
 CS Inst. Phys. Chem., Univ. Mainz, Germany
 SO Molecular Crystals and Liquid Crystals Science and Technology, Section A: Molecular Crystals and Liquid Crystals (1994), 254, 299-320
 CODEN: MCLCE9; ISSN: 1058-725X

PB Gordon & Breach
 DT Journal
 LA English

L8 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1995:258443 CAPLUS
 DN 122:148107
 TI Structural changes in discotic samples during transition from crystal to discotic mesophase as revealed by electron microscopy and diffraction
 AU Voigt-Martin, I. G.; Garbella, R. W.; Schumacher, M.
 CS Inst. fuer Physikalische Chem., Mainz, 55099, Germany
 SO Liquid Crystals (1994), 17(6), 775-801
 CODEN: LICRE6; ISSN: 0267-8292

PB Taylor & Francis
 DT Journal
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L8 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1992:49316 CAPLUS
 DN 116:49316
 TI Structure analysis of discotic, sanidic and ferroelectric crystals and liquid crystals using electron microscopy
 AU Voigt-Martin, I. G.; Schumacher, M.; Simon, P.; Honig, M.
 CS Inst. Phys. Chem., J. Gutenberg-Univ., Mainz, D-6500, Germany
 SO Makromolekulare Chemie, Macromolecular Symposia (1991), 46(Eur. Conf. Organ. Org. Thin Films, 3rd, 1990), 451-5
 CODEN: MCMSES; ISSN: 0258-0322

DT Journal
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L8 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1991:92406 CAPLUS
 DN 114:92406
 TI Low-molecular-weight discotic liquid-crystalline charge-transfer complexes
 IN Leyrer, Reinhold J.; Funhoff, Dirk; Ringsdorf, Helmut; Karthaus, Olaf; Wuestefeld, Renate
 PA BASF A.-G., Germany
 SO Eur. Pat. Appl., 7 pp.
 CODEN: EPXXDW

DT Patent
 LA German

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| | EP 386576 | A3 | 19911023 | | |
| | R: BE, DE, ES, FR, GB, IT, NL, SE | | | | |
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A 19890306

L8 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1991:33527 CAPLUS
DN 114:33527
TI Induction and variation of discotic columnar phases through doping with electron acceptors
AU Bengs, Holger; Ebert, Martina; Karthaus, Olaf; Kohne, Bernd; Praefcke, Klaus; Ringsdorf, Helmut; Wendorff, Joachim H.; Wuestefeld, Renate
CS Inst. Org. Chem., Univ. Mainz, Mainz, D-6500, Germany
SO Advanced Materials (Weinheim, Germany) (1990), 2(3), 141-4
CODEN: ADVMEW; ISSN: 0935-9648
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L8 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1991:7495 CAPLUS
DN 114:7495
TI High-resolution electron microscopy of liquid crystalline polymers
AU Voigt-Martin, I. G.; Krug, H.; Van Dyck, D.
CS Inst. Phys. Chem., Univ. Mainz, Mainz, D6500, Germany
SO Journal de Physique (Paris) (1990), 51(20), 2347-71
CODEN: JOPQAG; ISSN: 0302-0738
DT Journal
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